



# THE RAZORBACK REPORT

Arkansas Chapter Newsletter for the  
American Society of Heating, Refrigerating, and Air-Conditioning Engineers, Inc.

www.arkansasashrae.org

Volume XIII, Issue VII, March 2002

## The President's Message

by Tracy E. Hayes

Region VIII Chapter's Regional Conference (CRC) is getting closer and closer. By now, everyone should have received a registration packet, if you have not please contact John Carter at 501-666-6776. We all need to take the time to send in our registrations along with our payment as soon as possible. This will help the CRC committee tremendously in their planning and preparation, as well as financially.

The Arkansas Chapter meeting this past month was cancelled due to our speaker being delayed and the closing of the Little Rock Club due to the weather conditions. However, Mr. Todd Cowles with Alerton Technologies did make it into the state in time to speak at the Northwest Section meeting on Thursday. I was not able to attend but, reports were very favorable and the program well received by all these who attended. Thanks to Andy Lyons and Randy Moore with Northwest Controls for their contributions and efforts in making this program a success after all. This month's Arkansas Chapter meeting will have the privilege of having Dr. Darin Nutter with the University of Arkansas in Fayetteville present his findings from an ASHRAE Research project completed last year at the U of A. This same program was very well received last year by the Northwest Section and is one you do not want to miss. The meeting will be a lunch meeting at the Little Rock Club. See Programs for more information.

The Chapter Board and Committee Chairs are actively working to obtain and some even exceed their PAOE goals for the year. The next few months are going to be very busy for a lot of us in ASHRAE. Any added assistance from the membership will be greatly appreciated. At the March meeting the membership will be nominating and electing five (5) members to serve on the Nominating Committee. Anyone wishing to serve on the Nominating committee should contact me prior to this month's meeting. The board will also be making a recommendation regarding the Workforce Program. Honors and Awards nominations are still being accepted. Feel free to contact Bill Harrison, Alan Hope or myself should you want to make a nomination for any of the numerous Honors and Awards that Society has to offer. These nominations will be presented to the Region and discussed at this year's CRC.

Past President's Night this year will be held at Anderson's Cajuns Wharf with a silent auction to raise funds for the Arkansas Chapter's \$10,000.00 contribution to ASHRAE Research. So, mark your calendars for April 2<sup>nd</sup> and make plans for you and your spouse (or significant other) to attend this pre-CRC celebration. The board promises it to be a very special evening with some great food and fun. Please see the additional information regarding the auction in this issue of the Razorback Report. Thanks for your support in ASHRAE and I look forward to seeing you on March 6<sup>th</sup>.

## March Meetings

### CENTRAL ARKANSAS

Date: Wednesday, March 6<sup>th</sup>  
Location: Little Rock Club, Regions Building  
Cost: \$16.00 / person  
Schedule:  
10:30 AM Board Meeting  
11:30 AM Lunch Buffet  
12:00 PM Program - "ASHRAE Research Project 1016" by: Dr. Darin Nutter of Univ. of Arkansas at Fayetteville

### NORTHWEST ARKANSAS

Date: Thursday, March 7<sup>th</sup>  
Location: Sparks Hospital Education Center, Ft. Smith  
Schedule:  
5:30 pm Social  
6:00 pm ASHRAE Business / Dinner  
6:40 pm Program - "Sound Attenuation."

## Attention Arkansas ASHRAE Members

Included in this newsletter is a condensed version of the 2002 Region VIII CRC information booklet. Also included is the registration form. You should all have received the full registration package in the mail by the time you get this newsletter. We are encouraging all our local members who will be attending the CRC to send in their registration and money as soon as possible. Please do not wait until the April 1st deadline, as we need this money to help pre-pay for the special events.

Our goal at the CRC committee is to make this the best CRC yet. With two great parties, excellent golf and skeet outings, tech sessions worth 4 PDHs, and the informative ASHRAE meetings, there will be plenty to do and see.

See you there!!!

## February Board of Governors, Officers & Committee Chairmen Meeting Minutes

By: Rick Sellers, Chapter Secretary

**Call to Order:** President Tracy Hayes called to meeting to order at 11:30 a.m. The meeting was held on February 15, 2002 at the Little Rock Red Lobster restaurant.

**President:** President Tracy Hayes opened the meeting with award nominations resulting from the recent Strategic Planning Meeting with Bill Harrison as Vice President and Sam Cummings as a Member of the Planning Committee. President Hayes recommended Ed Tinsley be nominated as a Fellow. President Hayes announced she will schedule a meeting with each Grass Roots Committee Chair the week of February 25, 2002. President Hayes then called for committee reports and they were presented as follows:

**Vice President/Programs:** Vice President/Program Chairman Randy Moore announced that Mr. Darrin Nutter will present the status of his current ASHRAE research project at the March 6, 2002 monthly Chapter meeting program at the Little Rock Club. The Northwest section meeting for March will be at Sparks Hospital Education Center. Past President's Night meeting will be at Cajun's Wharf on April 02, 2002. Cost of the meal will be \$35.00. The Chapter will pay for Past Presidents and their spouses. Social Chairman Chance Hollingsworth made a motion to have a silent auction at Past Presidents night to help lower expenses. The board approved the motion. Vice President Moore announced that the Northwest section had 20-25 attend the February meeting. The Central Section did not meet in February.

**Secretary:** The Meeting Minutes as published in the February Newsletter were accepted as printed.

**Treasurer:** Treasurer John Carter presented the monthly Treasurer's report. The report was accepted as printed. A motion was made and approved to loan the CRC account \$ 5,000.00. A separate motion was made and approved to change the Chapter's checking account type at the end of the fiscal year to eliminate loses from low account balances.

**Membership:** Co-Chairman Russell Black announced roster advertisements have been sold and he requested that Treasurer Carter invoice the outstanding receipts. President Hayes asked Jim Knox to prepare a biography for the March Newsletter on Tom Anderton. It was also

announced that Mr. Glenn Allen had achieved Fellow status.

**Research Promotion:** No report.

**Historian:** No report.

**Honors & Awards:** No report.

**Student Activities:** Chairman Chris Ahne delivered a scholastic copy of HVAC load software to the University of Arkansas students to aid in their student design project.

**TEGA:** A motion was made and approved for Arkansas ASHRAE to accept a position to administer the Arkansas Department of Economic Development Work Place Training Program.

**Newsletter:** February 19, 2002 will be the deadline for newsletter articles. All grass roots committee chairman are encouraged to have an article.

**Social:** Chairman Chance Hollingsworth announced the spring Golf Tournament will be held on May 31, 2002 at 1:30 p.m. at the Country Club of Arkansas. The entry fee will be \$ 300.00 per team, which includes lunch and beverages.

**Reception:** No report.

**Webmaster:** No report.

**CRC:** No report.

**Old Business:** No old business.

**New Business:** No new business.

**Adjournment:** After no new business President Hayes adjourned the meeting at 12:30 p.m.

## February Arkansas ASHRAE Chapter Meeting Minutes

By Rick Sellers, Chapter Secretary

The February Central Section Chapter Meeting was cancelled due to inclement weather.

## February Northwest Section ASHRAE Meeting Minutes

By John E. Symonds

The February 7, 2002 Northwest Section of ASHRAE was held at the Springdale A.Q. Chicken House. Mr. Marshall Moody called the meeting to order at 6:45 p.m.

Marshall made the following announcements:

A. March 7, 2002 section meeting on sound attenuation would be held at Sparks Hospital in Fort Smith.

B. Reminded those in attendance of the April regional conference in Little Rock.

Mr. Todd Cowles with Alerton Technolo-

gies, Inc. presented an informative program on DDC systems and BACnet. Todd provided the basic history of BACnet along with the benefits and example applications of BACnet. Todd pointed out that BACnet was developed by ASHRAE to standardize the control industry, provide non-proprietary information and made provisions for competitive bidding. The presentation indicated the various specifying levels of native BACnet and the implementation at every system level. Todd reviewed a variety of BACnet installations in the United States and around the world, which suggested that BACnet was being utilized internationally.

After the question and answer session, the meeting was adjourned at 8:55 p.m.

## Northwest Corner:

By: Marshall Moody

Thank you to all those who attended the February meeting. We had a record attendance for this year of 32, and saw many new faces which is encouraging for future membership. We even had someone from Memphis, TN in attendance. We all were treated to an excellent presentation by Todd Cowles of Alerton on control systems.

We hope to have a similar turnout for our March 7<sup>th</sup> meeting that will be held at Sparks Hospital Education Center. The topic will be "Sound Attenuation." As always, please make plans and budget accordingly to attend the Chapter's Regional Conference which we are hosting this year in Little Rock April 25-27. Look for an application in the mail or check out the [www.arkansasashrae.org](http://www.arkansasashrae.org) site for registration details. This is the perfect opportunity to step up and support our Chapter. It will be a fantastic time! PDHs will also be available. God bless America and our military personnel.

### From the desk of Chapter Historian:



Richard Palmer  
Chapter Historian

On January 29<sup>th</sup>, 2002 , the Arkansas ASHRAE Chapter lost one of the chapter's favorite son, Thomas A. (Tom) Anderton to cancer. Tom was a beloved and dearly respected member of our Chapter, serving as President during 1996-1997. He worked for our DRC (Bill Harrison) at the Harrison Trane Company as the leader for the Existing Building Sales Team. One of the things that we as ASHRAE members and friends enjoyed was his zeal for life. At our meetings or gatherings, he always had a smile on and enjoying the fellowship of his friends and cohorts. While telling his stories, Tom would be laughing and cutting up just to get that added pleasure of seeing others smile. There was also the added rivalry when the Razorbacks and the Bulldogs (Miss State) played that everyone enjoyed with Tom ( a devoted Bulldog Alumni) . A little trivia for you about Tom, during his tenure as President, he changed the Razorback Report to the Arkansas Report because he was a Bulldog at heart and he didn't want to be associated with the Razorbacks. The Arkansas ASHRAE will miss our dear friend and colleague. Have a safe and pleasant journey Tom.

### Membership

By: Chris Shaw

Well we're half way through the year and I'm pleased to report Membership is growing as planned. Thanks to the hard work from Russell Black and James Dayer and the great response from you the members, our Membership Directory should be out for printing within a few weeks.

At this time we've had 6 new members, 12 reinstate w/ dues and 6 grade advancement. While I see these as great numbers, you and I both know there are more out there just waiting for that little encouragement from us. Just ask them.

One other small bit of help from you could make my job complete. We have 39 members listed who have not paid their membership dues at this time. In comparison that is a relative small number. However, I challenge you to help me make this number "0"! Please check the list for your name first, if it's not there, find someone you know on the list and call them. Let them know we need them in the Chapter and they have to pay to play! Call me if for some reason your name shouldn't be on the list or if you haven't received your Membership Dues statement.

Again, thanks for all your support and efforts.

#### **Society Delinquency List**

Chris Ahne	Jerry Baldwin	Sherry Baldwin	John Barcenilla	Fred Black
Spencer Britton	Evan Brown	John Bryant	Danny Bunting	Tom Calhoun
Charles Carlisle	Danny Doss	Harold Ferguson	David Fuller	Aron Harrington
Jon Holbrook	Garland D Horn	John Jaco	Stanley Johnson	Jim Knox
Andy Lyons	Paul McAdams	Gary McDougal	Steven McConnell	Murl Meredith
John Moreton	Ovenual Page	Christopher Qualls	Edgar K. Riddick	Richard Rowland
Thomas Schrehenhoffer	Ken Scott	Michael Siegler	David St. John	Teed Lemuel
Edward Tucker	S. Ventimiglia	Mark Watowich		

## 2002 ASHRAE Research Spring Golf Tournament

FRIDAY – May 31<sup>st</sup> - 1:30 P.M.  
Shotgun Start

> The Country Club of Arkansas <  
Maumelle, Arkansas

The entry form will be included in next month's newsletter.



### 2001-2002 Chapter Officers

<u>President</u>	Tracy E. Hayes	501-280-0404	fax: 501-280-9200
<u>Vice-Pres.</u>	Randy Moore	501-280-0404	fax: 501-280-9200
<u>Secretary</u>	Rick Sellers	501-834-3320	fax: 501-834-5416
<u>Treasurer</u>	John Carter	501-666-6776	fax: 501-663-8888

### Board of Governors

Chris Call	501-663-8886
Jim Monk	501-376-7155
John Hodoway	501-372-9200
Ed Riddick III (Delagate)	501-666-7300
Mike McClellan (Alternate)	501-661-0621

### Committee Chairs

Directory	Russell Black	501-327-2409
Membership	Chris Shaw	501-280-0404
Student Activities	Chris Ahne	501-661-0621
Programs	Randy Moore	501-280-0404
Historian	Richard Palmer	501-666-7300
Research	John Hodoway	501-372-2900
Honors & Awards	Alan Hope	501-666-6776
TEGA	Tom Hanlon	501-661-0621
Newsletter	Wade Wetzler	501-753-6652
NW Section	Marshall Moody	501-582-8239
NW Section	Bill Sharp	501-636-3545
Social	Chance Hollingsworth	501-374-5420
Reception	Eddie Finley	501-374-5420
Webmaster	Brett Bolan	501-661-0621

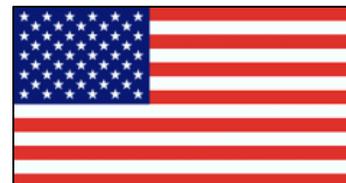
The Razorback Report is published monthly by the Arkansas Chapter of ASHRAE. Statements made in this publication are not expressions of the Society or of the chapter and may not be reproduced without special permission from the chapter.



## THE RAZORBACK REPORT

Arkansas Chapter of ASHRAE  
P.O. Box 180  
Little Rock, AR 72203

Non-Profit Organization  
U.S. Postage  
**PAID**  
Little Rock, AR  
Permit No. 3043





American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

## Arkansas Chapter Meeting RSVP Form

Company Name: \_\_\_\_\_

Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Signed: \_\_\_\_\_

ROUTING

For reservations to the Central Arkansas Chapter meeting fax this form by **Monday, March 4<sup>th</sup>** to 501-280-9200 **Attn: Randy Moore**

For reservations to the Northwest Arkansas Chapter meeting fax this form by **Tuesday, March 5<sup>th</sup>** to 501-582-4747 **Attn: Marshall Moody**

MEMBER NAME (PLEASE PRINT)	CENTRAL March 6 <sup>th</sup>	NW ARK March 7 <sup>th</sup>	EATING (Y or N)

**NOTES:** Please fax this form to the name and fax number as referenced above  
 The meal is no cost to student members, however an RSVP is necessary.  
 All "no shows" will be responsible for the cost of their meal.  
**In order to provide you with the best service for your Chapter's money, it is necessary to RSVP for each meeting.**

### March Program Summary

by: Randy Moore, Vice president – Program Chairman

This months' meeting will feature Dr. Darin Nutter, Associate Professor of Mechanical Engineering at the University of Arkansas at Fayetteville.

**Program Presentation: A look at results from ASHRAE research project 1016.**

The research project studied the characterization of natural groundwater movement in shallow-water aquifers within the U.S. and evaluated alternative borehole completion methods for vertical-bore groundcoupled heat pumps (GCHPs).

Dr. Darin Nutter is an Associate Professor in the Department of Mechanical Engineering at the University of Arkansas. He received his Ph.D. from the Mechanical Engineering Department's Energy Systems Laboratory at Texas A&M University in 1994. He completed his MSME in 1988 at Oklahoma State University. From 1988 through 1989 he worked as a project engineer with the design and construction of refrigerated warehouses with Fleming Foods, Inc. Dr. Nutter's research interests are encompassed within the broad area of energy systems. His background and recent focus has been on the improvement of air-conditioning and refrigeration systems with regard to operation and energy efficiency. He has 26 technical publications in this area. Dr. Nutter is a member of the ASME, ASEE, IGSHPA, ASTM C-16, and ASHRAE. He is the past chair of TC 7.6 (Unitary Air-Conditioners and Heat Pumps), a member of TC 1.3 (Heat Transfer and Fluid Flow) and corresponding member of TC 6.8 (Geothermal Energy Utilization).

# 2002 REGION VIII CRC

## April 25<sup>th</sup>, 26<sup>th</sup>, & 27<sup>th</sup>

Dear Arkansas ASHRAE Members:

This year's CRC promises to **ROCK and ROLL** from start to finish. Everybody who's anybody will make plans to be there! The famous Peabody ducks will be ready to greet you as they roll out the red carpets. Our Little Rock downtown area is a place where casual is always in style day or night. As part of CRC 2002 the Arkansas Chapter will be celebrating 50 years of fine tradition. We're planning on "having fun while getting lots done" and this event will be no exception. April will be here before you know it so take time now to look through your packet and get your registration sent in. We'll see you down by the river!

Keith Wortsmith, CRC Chairman

### **REGISTRATION**

The all-inclusive ASHRAE member package registration fee for the 2002 CRC is \$200 and that price includes the following activities: Welcome Party, General Session, Technical Sessions, President's luncheon, Friday Night Party, and Award Luncheon.

The all-inclusive companion package registration fee for the 2002 CRC is \$150 and that price includes the following activities: Welcome Party, President's luncheon, Friday Night Party, Award Luncheon, and Friday's Companion Activities.

The cost of the Golf Outing is set at \$70 and the cost for the Skeet Shoot is \$60.

This year you have the option to select the events that you choose to attend; however, be mindful that the all-inclusive package price is the best value. All payments must be received by April 1, 2001. For payments received after April 1, 2001, the registration fees increase 10%.

### **HOTEL INFORMATION**

The Peabody hotel is a completely renovated, remodeled and redecorated hotel within Peabody Hotel Group. This bright new star on the banks of the Arkansas River is quickly earning a reputation as one of America's premier convention hotels in all facets of its operations.

The Peabody Hotel will be the headquarters hotel for the CRC. All events will be at the Peabody Hotel and Little Rock Convention Center except for the Welcome Party (a short four block walk from the hotel). Hotel reservations are made by calling (501) 399-8053.

A block of rooms has been reserved under "ASHRAE CRC." Hotel reservations should be made before April 1, 2002 in order to guarantee the special room rates of \$129 for single/double occupancy and \$139 for triple/quad occupancy.

### **WEEKEND ATTIRE - "Business Casual at Best"**

Leave those ties and fancy dresses at home unless you personally need an excuse to wear them (this includes companions).

### **CRC WORKSHOPS AND BUSINESS SESSIONS**

Arkansas's own, Bill Harrison, will Chair the Friday morning Region VIII General Business Meeting and the Officers Workshop on Saturday morning. Official ASHRAE visitors will be President Bill Coad and Vice President Joe Buck. We have also extended invitations to several regional chairmen. The

Regional Officers will Chair the Saturday morning Workshop Session for their respective committees.

Please encourage all of your incoming officers and chairpersons to attend the Workshops, as well as all of your members to attend the Business Meeting.

### **TECHNICAL SESSIONS**

Friday, April 26, 2002:

**"Improving the Efficiency of Chilled Water Plants"**: Presented by Gil Avery, P.E. Mr. Avery is Vice-President of the Kele Companies, Memphis, TN. and an ASHRAE Fellow.

**"How to Maximize your Chilled Water Production and Distribution Systems"**: Presented by Bill Nelson, P.E. Mr. Nelson is President and Director of the Mechanical Engineering Department with GLHN Architects & Engineers, Inc., Tucson, Arizona.

Saturday, April 27, 2002

**"Building a Sustainable Future"**: Presented by Martha Jane Murray.

**"Ozone Depletion and Global Warming"**: Presented by Tom Werkema, P.E. Tom is employed with Atofina.

### **SPECIAL EVENTS**

**Golf Outing (Thursday: 8:00 AM)**: The Golf Outing this year will be held at the beautiful Greystone Country Club. The format will be a modified scramble. Transportation to and from the course will be provided along with a catered lunch being served at the conclusion of the outing.

**Skeet Shoot (Thursday: 10:00 AM)**: The skeet-shooting event will be held at the Remington Arms ammunition plant skeet range. The entry fee includes 2 rounds of skeet, ammunition and lunch (also, a loner gun is available upon request). Transportation to and from the event will be provided.

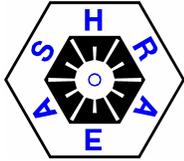
**Welcome Party (Thursday Evening)**: Participants of the 2002 ASHRAE CRC Meeting will be greeted with a Welcoming Reception on April 25th at the Arkansas Museum of Discovery – a short four block walk from the hotel ([www.amod.org](http://www.amod.org)). We will kick off our Welcome Party promptly at 6:00 p.m. There will be heavy hors d'oeuvres and an open bar.

**Companion's Activities (Friday)**: Your visit to the Little Rock area will begin with the Spring Garden Tour of Little Rock. This is an annual event and this year the theme is "A Pallet of Bloom". We will tour several beautiful gardens in the Little Rock area. We will enjoy lunch at Spaule' Restaurant, which is located in the Heights area of Little Rock. Spaule' is one of Little Rock's finest evening eateries. The Heights has several boutiques and restaurants, and offers the most convenient and fashionable shopping in Little Rock.

**President's Luncheon (Friday)**: ASHRAE President Bill Coad will address our President's Luncheon that will be held in the Little Rock Convention Center Ballroom.

**Dinner Party (Friday Evening)**: Friday evening will begin with a cocktail social and feature fine dining provided by the Peabody premiere restaurant. Following our meal, entertainment will be provided by Speaker/Comedian Mr. Tim Cavanaugh. Mr. Cavanaugh has entertained a variety of audiences and will present a clean, fun, and upbeat comedy show. Tim has been seen on ABC TV and Comedy Central, so get ready to laugh.

This will be a great CRC! For additional information please contact John Carter ([jcarter@tmecorp.com](mailto:jcarter@tmecorp.com)) at (501) 666-6776.



Arkansas Chapter of the American Society of Heating,  
Refrigerating and Air-Conditioning Engineers, Inc.

**2002 Arkansas ASHRAE  
*Past President's Night*  
April 2<sup>nd</sup>, 2002 at Anderson's Cajun's Wharf**

# Silent Auction

**Donated Items are needed for the ASHRAE Past President's Night Silent Auction (i.e. Hunting Trips, Tickets, Dinners, Artwork, Services etc.)**

Fax to:  
Chance Hollingsworth  
@ 501-370-9298

Mail to: Powers of Arkansas  
Attn: Chance Hollingsworth  
1111 West 6<sup>th</sup>  
Little Rock, AR 72203

E-Mail to:  
chollingsworth  
@powersofarkansas.com

**Sign up sheets must arrive by March 21<sup>st</sup>, 2002**

Call Chance Hollingsworth (501-374-5420) with questions.

Print or type the following information:

Company Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
\_\_\_\_\_ E-mail: \_\_\_\_\_  
Signed: \_\_\_\_\_ Title: \_\_\_\_\_ Date: \_\_\_\_\_  
Donated Item or Service: \_\_\_\_\_

---

*All proceeds go to the Arkansas Chapter's \$10,000 ASHRAE Research contribution fund.....Thanks for your Support!*